Express Mail No. EV 346 811 799 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: B. GHYSELEN et al

Confirmation No. 9199

Application No: 10/764,289

Group Art Unit: 2812

Filing Date: January 23, 2004

Examiner:

For: RECYCLING OF A WAFER COMPRISING

A BUFFER LAYER AFTER HAVING

SEPARATED A THIN LAYER THEREFROM

Atty. Docket No.: 4717-8500

REQUEST FOR CORRECTION OF FILING RECEIPT

Office of Initial Patent Examination Customer Service Center Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir:

A Filing Receipt for the above-identified application has been received and the following correction is respectfully requested.

Please correct the last name of the fourth inventor to LeVaillant. A new declaration signed by Mr. LeVaillant is enclosed.

In the Domestic Priority Data, the serial number of the parent PCT application is incorrect, and the correct number is PCT/IB2003/004143 as shown on the attached front page of the published PCT application. In addition, the benefit of applicants' provisional application was omitted from the Domestic Priority Data. A copy of the Filing Receipt with the requested changes noted thereon is submitted herewith.

No fee is believed to be due for this submission. Should any fees be required, , please charge such fees to Winston & Strawn LLP Deposit Account No. 50-1814.

Respectfully submitted,

Allan A. Fanucc

(Reg. No. 30,256)

Date

WINSTON & STRAWN LLP

Customer No. 28765 (212) 294-3311



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office.
Address: COMMISSIONER FOR PATENTS
Alexandra, Viginia 22313-1450
www.mpplogor

FILING OR 371 APPL NO. ART UNIT FIL FEE REC'D ATTY.DOCKET NO **DRAWINGS** TOT CLMS IND CLMS (c) DATE 10/764,289 01/23/2004 2812 1058 4717-8500 36

CONFIRMATION NO. 9199

FILING RECEIPT

OC000000012489651

28765 WINSTON & STRAWN PATENT DEPARTMENT 1400 L STREET, N.W. WASHINGTON, DC 20005-3502

Date Mailed: 04/30/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Bruno Ghyselen, Seyssinet-Pariset, FRANCE;

Cecile Aulnette, Grenoble, FRANCE; Benedite Osternaud, Saint Egreve, FRANCE;

Yves-Mathieu Vaillant, Crolles, FRANCE; -

Takeshi Akatsu, Saint Nazaire Les Eymes, FRANCE;

DJS.

correct summer LE Vaillant

Domestic Priority data as claimed by applicant

PCT/1B2003/004143

This application is a CON of PCT/FR03/02577 08/26/2003

Which claims the benefit of 60/431, 928 12/09/2002

Foreign Applications

FRANCE FR0210587 08/26/2002

If Required, Foreign Filing License Granted: 04/29/2004

Projected Publication Date: 08/05/2004

Non-Publication Request: No

Early Publication Request: No

Title

Recycling a wafer comprising a buffer layer, after having separated a thin layer therefrom

Preliminary Class

438

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 4 March 2004 (04.03.2004)

PCT

(10) International Publication Number WO 2004/019404 A2

(51) International Patent Classification⁷:

H01L 21/762

(21) International Application Number:

PCT/IB2003/004143

(22) International Filing Date: 26 August 2003 (26.08.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0210587 60/431,928 26 August 2002 (26.08.2002) FR 9 December 2002 (09.12.2002) US

(71) Applicant (for all designated States except US): S.O.I.TEC SILICON ON INSULATOR TECH-NOLOGIES [FR/FR]; Parc Technologique des Fontaines, Chemin des Franques, F-38190 Bernin (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GHYSELEN, Bruno [FR/FR]; 58, rue Georges Maeder, F-38170 Seyssinet-Pariset (FR). AULNETTE, Cécile [FR/FR]; 3, Place des Tilleuls, F-38000 Grenoble (FR). OSTER-NAUD, Bénédite [FR/FR]; 26, Rue Lieutnant Fiancey, F-38120 Saint Egreve (FR). LE VAILLANT, Yves-Mathleu [FR/FR]; 271, rue Gaston Angelier, F-38920 Crolles (FR). AKATSU, Takeshi [JP/FR]; 9, Place de l'Eglise, F-38330 Saint Nazaire Les Eymes (FR).

(74) Agents: MARTIN, Jean-Jacques et al.; Cabinet Regimbeau, 20, rue de Chazelles, F-75847 Paris Cedex 17 (FR).

(81) Designated States (national): CN, JP, KR, SG, US.

(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Declaration under Rule 4.17:

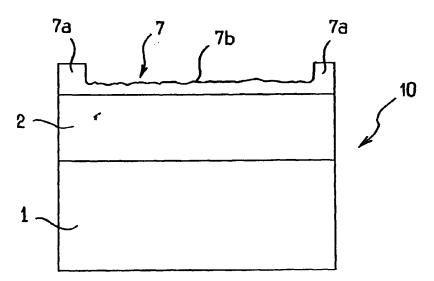
of inventorship (Rule 4.17(iv)) for US only

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RECYCLING A WAFER COMPRISING A BUFFER LAYER, AFTER HAVING TAKEN OFF A THIN LAYER THEREFROM



(57) Abstract: Method of recycling a donor wafer (10) after taking off at least one useful layer, the donor wafer (10) comprising successively a substrate (1), a buffer structure (1) and, before taking-off, a useful layer. The method comprises removal of substance relating to part of the donor wafer (10) on the side where the taking-off took place, such that, after removal of substance, there remains at least part of the buffer structure (1) capable of being reused as at least part of a buffer structure (1) during a subsequent taking-off of a useful layer. The present document also relates to: - a method of producing a donor wafer (10) which can be recycled according to the invention; - methods of taking a thin layer off a donor wafer (10) which can be recycled according to the invention; - donor wafers (10) which can be recycled according to the invention.

	FULL NAME OF	LAST NAME	FIRST NAME	MIDDLE NAME		
2	INVENTOR	LE VAILLANT	Yves-Mathieu			
0	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP		
4	CITIZENSHIP	Crolles France		France		
	POST OFFICE	STREET	CITY	STATE OR COUNTRY	ZIP CODE	
	ADDRESS	271, rue Gatson Angelier	Crolles	France	38920	
		SIGNATURE OF INVENTOR	OF INVENTOR Yves-Mathieu LE VAILLANT		DATE	
		457 Ceven Cy		08/31/04		
	FULL NAME OF	CHILL NAME OF LAST NAME FIRST NAME		MIDDLE NAME		
2	INVENTOR	AKATSU	Takeshi			
0	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP		
5	CITIZENSHIP	Saint Nazaire Les Eymes	France	Japan		
	POST OFFICE	STREET	CITY	STATE OR COUNTRY	ZIP CODE	
	ADDRESS	9 Place de l'Eglise	Saint Nazaire Les Eymes	France	38330	
		SIGNATURE OF INVENTOR Takeshi AKATSU		DATE		
,						

NY:805092.1

EXPRESS MAIL LIST

P.O. Box 1450 Alexandria, VA 22313-1450

The following items listed below are being filed herewith with the USPTO on **September 27**, **2004**.

Express Mail No. EV 346 811 799 US						
Attorney Docket No.	Appln. Serial No./ Patent No.	Items - Documents filed on September 27, 2004	Patent Fees- Acct. #50- 1814			
85189-6875 TBA		Utility Patent Application Transmittal (PTO /SB/05); Specification 21 pages including 17 claims; Formal Drawings Figs. 1-3 (3 sheets); Copy of Inventors' Declaration (unexecuted) (2 pages); Patent Application Fee Sheet (in duplicate); Information Disclosure Statement, PTO 1449, 9 refs.	\$770			
4717-8500	10/764,289	Preliminary Amendment; Request for Correction of Filing Receipt; Copy of PCT Publication WO 2004/019404 A2; Copy of Incorrect Filing Receipt; Copy of Executed Declaration	0			

Please acknowledge receipt of these items as received by returning the enclosed postcards with the date of receipt of September 27, 2004.

NY:890637.14

EXPRESS MAIL LIST

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

The following items listed below are being filed herewith with the USPTO on **September 27**, **2004**.

Express Mail No. EV 346 811 799 US						
Attorney Docket No.	Appln. Serial No./ Patent No.	Items - Documents filed on September 27, 2004	Patent Fees- Acct. #50- 1814			
4717-8500	10/764,289	Preliminary Amendment; Request for Correction of Filing Receipt; Copy of PCT Publication WO 2004/019404 A2; Copy of Incorrect Filing Receipt; Copy of Executed Declaration	0			

Please acknowledge receipt of these items as received by returning the enclosed postcards with the date of receipt of September 27, 2004.

NY:890637.14